

Title (en)

METHOD FOR COMPENSATING THE ROTATIONAL SHAPELESSNESS DURING DETECTION OF THE REVOLUTIONS PER MINUTE

Title (de)

VERFAHREN ZUR KOMPENSATION DER DREHUNFÖRMIGKEIT BEI DER DREHZAHLERFASSUNG

Title (fr)

PROCEDE DE COMPENSATION DE LA DIFFORMITE ROTATIVE LORS DE LA DETECTION DE LA VITESSE DE ROTATION

Publication

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Application

**EP 01915014 A 20010216**

Priority

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- DE 10017107 A 20000406

Abstract (en)

[origin: WO0177692A2] The invention relates to a method for detecting the revolutions per minute and/or the angle on rotating components of a combustion engine that comprises a transmitting wheel (1). k teeth (11, 12) are received on the circumferential surface (2) of said wheel. Said teeth are scanned by means of one or more signal transmitters (6) which detect the time difference ts (k) of two successive teeth (11). The measured segment times ts (k) (9) are adjusted by the errors of the transmitting wheel (1) within an adjusting routine (19) by means of a reference model (27) or by means of an order filter (37) having at least one of the main orders of the Fourier transformations (38, 43) that are allocated to the combustion engine, whereby the respective operating point (n, p1, mE) of the combustion engine is defined on said model.

IPC 8 full level

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Cited by

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